

# THE JOURNAL OF IMMUNOLOGY

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[www.jimmunol.org](http://www.jimmunol.org)

98<sup>th</sup> Annual Meeting of The American Association of Immunologists

# IMMUNOLOGY 2011<sup>TM</sup>

San Francisco, California

May 13–17, 2011

**From molecular mechanisms to  
disease models to therapeutics.  
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# IMMUNOLOGY 2011™

98<sup>th</sup> Annual Meeting

The American Association of Immunologists

May 13–17, 2011 • Moscone Center • San Francisco, California

## IMMUNOLOGY 2011™ Jobs Board

*A Free Recruiting Service for Registrants and Exhibitors  
Post Online and Meet Onsite*

Take advantage of the unparalleled opportunity to recruit from over 3,000 immunologists at all career stages in one place! AAI is offering career services to both job seekers and employers through a **Jobs Board** free to meeting registrants and exhibitors at [www.immunology2011.org/AIA\\_Program/Jobs\\_Board.html](http://www.immunology2011.org/AIA_Program/Jobs_Board.html).

**Job Postings.** Advertise your position on a virtual **Jobs Board** located on the **IMMUNOLOGY 2011™ website**. By including a contact email, you will receive inquiries directly.

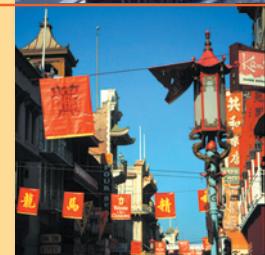
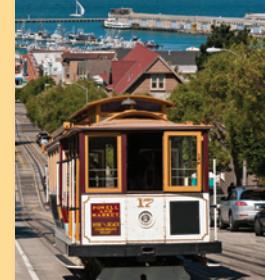
- **Advance Postings.** Postings will be accepted as of February 1, 2011, and will remain online until the end of the meeting. To post job listings in advance of the meeting, contact James Finnerty, at [infoaai@aai.org](mailto:infoaai@aai.org). Advance postings must be submitted to AAI by **May 9, 2011**.
- **Onsite Postings.** After May 9, 2011, employers wishing to advertise a job on the **IMMUNOLOGY 2011™ website** may still do so by visiting the AAI Office in the Moscone Center, Room 112, between 9:00 AM and 5:00 PM.

You may also post a *paper announcement* on the bulletin board in the AAI Booth in the Exhibit Hall.

**Save thousands of dollars in recruiting expenses!** Take advantage of this complimentary hiring opportunity at **IMMUNOLOGY 2011™**. To register for the meeting, visit [www.immunology2011.org/Attendees/Attendee\\_Reg.html](http://www.immunology2011.org/Attendees/Attendee_Reg.html).



**The American Association of Immunologists, Inc.**  
9650 Rockville Pike | Bethesda, Maryland 20814  
Phone: (301) 634-7178 | Fax: (301) 634-7887  
Email: [infoaai@aai.org](mailto:infoaai@aai.org) | Web: [www.aai.org](http://www.aai.org)





# AAI Courses in Immunology

## *2011 Introductory Course in Immunology*

**July 9 – 14, 2011**

The University of Pennsylvania, Philadelphia, PA

**Director:** Christopher A. Hunter, Ph.D., University of Pennsylvania School of Veterinary Medicine

**Co-Director:** Terri M. Laufer, M.D., University of Pennsylvania School of Medicine

This intensive two-part course, taught by world-renowned immunologists, provides a comprehensive overview of the basics of immunology. This course is for students new to the discipline or those seeking more information to complement general biology or science training. **Part I (July 9 – 11)** is a detailed introduction to the basic principles of immunology and is suitable for students with a general biology background. **Part II (July 12 – July 14)** is a clinically oriented lecture series. Parts I and II may be taken independently at the discretion of the student.

## *2011 Advanced Course in Immunology*

**July 31 – August 5, 2011**

The University of Minnesota, Minneapolis, MN

**Director:** Stephen C. Jameson, Ph.D., University of Minnesota Medical School

**Co-Director:** Michael A. Farrar, Ph.D., University of Minnesota Center for Immunology

This intensive annual course is designed for serious students of immunology. Leading experts will present recent advances in understanding the biology of the immune system and its role in health and disease. This course is intended for advanced trainees and scientists who wish to expand or update their understanding of the field. This is not an introductory course, and attendees will need to have a firm understanding of the principles of immunology.

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**FOR MORE INFORMATION VISIT: [www.aai.org/Courses.htm](http://www.aai.org/Courses.htm).**

**Please direct inquiries to [meetings@aaiv.org](mailto:meetings@aaiv.org) or 301-634-7178.**

*Financial support for underrepresented minority scientists is available through the FASEB MARC Program. Visit: <http://marc.faseb.org/>.*

The American Association of Immunologists



# Future AAI Annual Meetings

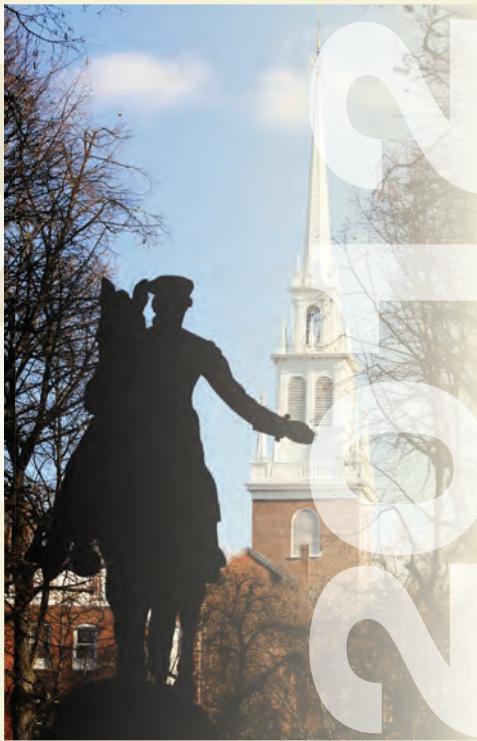
Mark Your Calendar for the  
Premier Annual Immunology Event!



**IMMUNOLOGY 2011™**

May 13–17

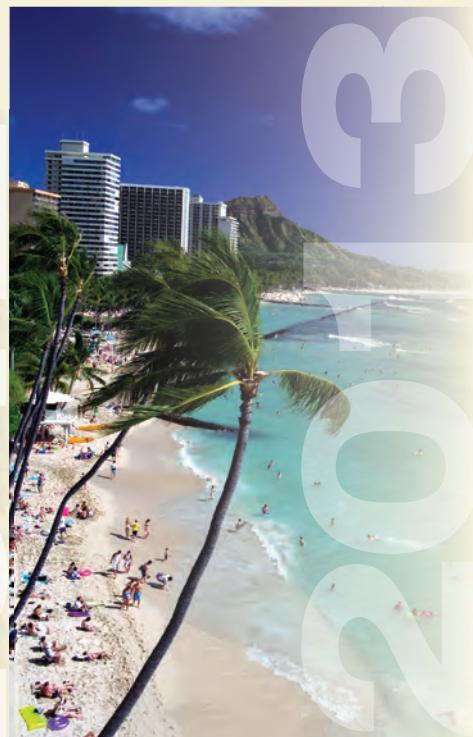
San Francisco, California



**IMMUNOLOGY 2012™**

May 4–8

Boston, Massachusetts



**IMMUNOLOGY 2013™**

May 3–7

Honolulu, Hawaii

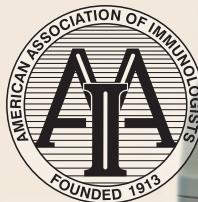
# GRIP

## Grant Review for Immunologists Program

**Get a GRIP: An AAI program designed to help new investigators prepare their NIH grant proposals**

AAI is pleased to offer a program to match new PI's with established PI's who have significant, successful grant writing careers. The Grant Review for Immunologists Program (GRIP) invites new PI's to submit an outline or NIH-style abstract to the GRIP coordinator who, with the assistance of a small volunteer subcommittee, will attempt to match the topic of the proposal with the research experience of an established PI. Matches will be made as quickly as possible to allow new PI's to meet upcoming NIH grant deadlines. Participation is strictly voluntary and is not intended to supplant internal mentoring programs.

GRIP is now accepting both new PI and established PI participants. Please send your CV and a brief description of either your potential research project (new PI's) or grant reviewing experience (established PI's) to [infoaai@aaai.org](mailto:infoaai@aaai.org) (please write "GRIP" in the subject line).



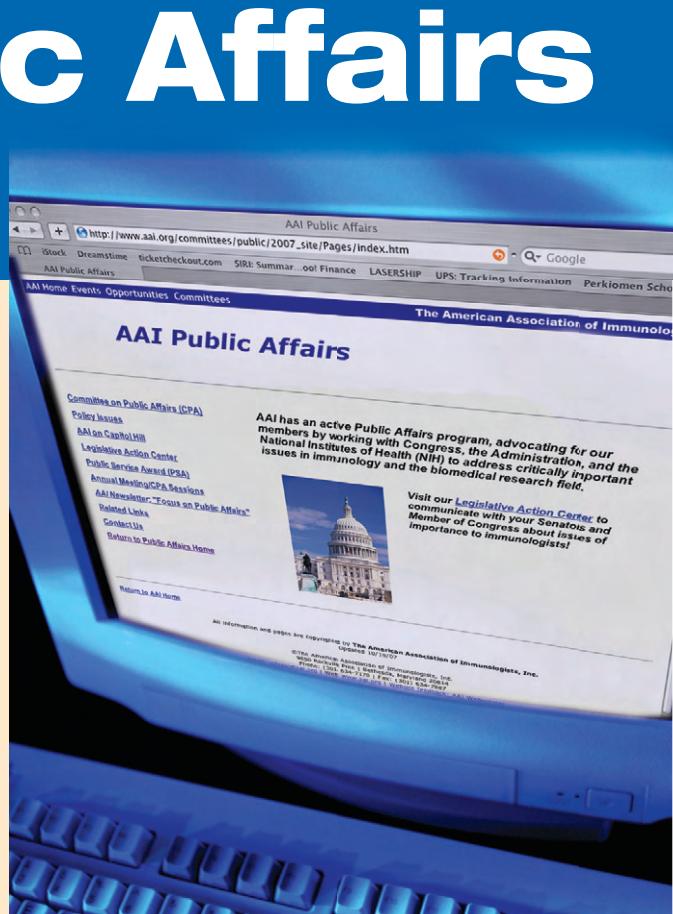
Program details at [www.aai.org/GRIP\\_rd.htm](http://www.aai.org/GRIP_rd.htm)

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- Keep current on key policy issues
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Public Affairs.



# AAI... Working for You!

*The mission of The American Association of Immunologists (AAI) is to advance knowledge of immunology and related disciplines, foster interchange of ideas and information among scientists, and promote understanding of the field of immunology.*



## REGULAR MEMBERSHIP BENEFITS

- Membership in the largest and most prestigious professional association of immunologists in the world
- Effective representation! Your views and concerns on research funding and science policy are brought to Congress and federal agencies by professional staff and member-driven committees working together to advance immunology research and address issues that affect members' careers
- Voting privileges in AAI elections and actions
- Eligibility for prestigious AAI career and travel awards
- Eligibility to serve on AAI committees: help determine the direction of AAI and serve the larger scientific community
- Reduced registration and abstract submission fees to the AAI Annual Meetings
- Privilege of leading major sessions at the AAI Annual Meetings
- Reduced registration fees to the AAI Introductory and Advanced Immunology Courses
- A subscription to *The Journal of Immunology* (print and/or online) and access to the full digital archive
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- Significantly reduced color figure charges for manuscripts published in *The Journal of Immunology*
- Eligibility to serve on the Editorial Board of *The Journal of Immunology*
- Reduced subscription rates to other immunology journals
- A subscription to the *AAI Newsletter*
- Membership in the Federation of American Societies for Experimental Biology (FASEB) and in the International Union of Immunological Societies (IUIS)
- Inclusion in, and online access to, the FASEB Directory of Members



To obtain additional information, please contact:  
**AAI Membership Office**  
9650 Rockville Pike, Bethesda, MD 20814-3994  
Phone: 301-634-7195 • Fax: 301-634-7733  
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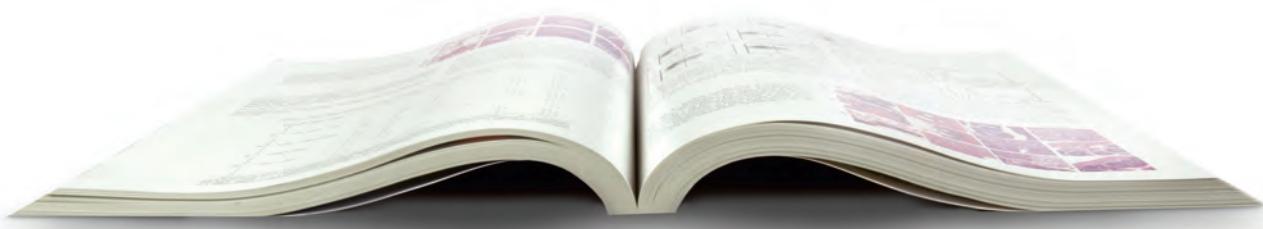
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# Next in *The JI*

features articles published online ahead of print in  
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Articles incorporate author proof corrections but may differ from the final published version.

The date of online release is posted on each article and is the official date of publication. Print issues are released twice a month.



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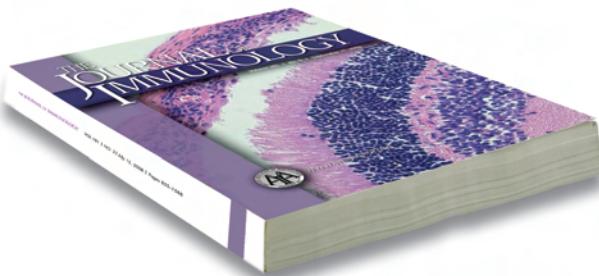


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### WAIVER OF MANUSCRIPT SUBMISSION FEE

Corresponding authors who are regular, emeritus, or honorary AAI members in good standing on the date of manuscript submission to *The Journal of Immunology* receive a waiver of the \$50 submission fee.



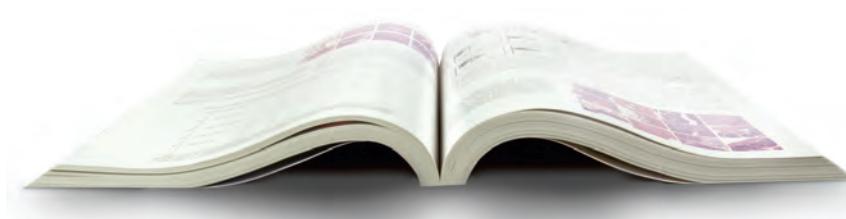
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# THE JOURNAL OF IMMUNOLOGY

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*Don't miss your copy of The Journal of Immunology--  
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*The Journal of Immunology (The JI)* is the 20th most cited journal  
of all 7,347 scientific journals ranked by JCR\*.

\*Journal Citation Reports 2009, Science Edition

*The JI* is the definitive record for research progress in immunology. Original peer-reviewed articles reporting studies in basic and clinical immunology include:



- CUTTING EDGE
- CELLULAR IMMUNOLOGY AND IMMUNE REGULATION
- MOLECULAR AND STRUCTURAL IMMUNOLOGY
- IMMUNOGENETICS
- HOST DEFENSE
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- CLINICAL IMMUNOLOGY

and SPECIAL SECTIONS

- IN THIS ISSUE
- LETTERS TO THE EDITOR
- PILLARS OF IMMUNOLOGY
- BRIEF REVIEWS

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Jeremy M. Boss, Ph.D.

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